

AMENDMENTS TO THE CLAIMS

1-21. (Cancelled)

22. (New) A method of recording data on a recording medium, comprising:

recording a transport stream on the recording medium, the transport stream being composed of one or more predetermined units, each predetermined unit starting with at least one transport packet for carrying navigation information used to manage subsequent transport packets,

wherein a first packet of the at least one transport packet carries only the navigation information including program clock reference (PCR) information and does not carry presentation data.

23. (New) The method of claim 22, wherein the PCR information includes a PCR base information and a PCR extension information.

24. (New) The method of claim 22, wherein in the recording step, the transport stream is an MPEG-2 transport stream.

25. (New) The method of claim 22, wherein in the recording step, the recording medium is a rewritable optical disk.

26. (New) A method of recording a transport stream on a recording medium, comprising:

recording a transport stream on the recording medium, the transport stream being composed of at least one stream part, each stream part including a navigation packet at a head of the stream part and at least one data packet, the navigation packet carrying navigation information used to manage the at least one data packet,

the navigation information including program clock reference (PCR) information.

27. (New) The method of claim 26, wherein the navigation packet carries only the navigation information.

28. (New) The method of claim 26, wherein the PCR information includes a PCR base information and a PCR extension information.

29. (New) The method of claim 26, wherein in the recording step, the transport stream is an MPEG-2 transport stream.

30. (New) The method of claim 26, wherein in the recording step, the recording medium is a rewritable optical disk.

31. (New) A recording medium comprising:

a recording layer; and

a transport stream recorded on the recording layer, the transport stream being composed of one or more predetermined units, each predetermined unit starting with at least one transport packet for carrying navigation information used to manage subsequent transport packets,

wherein a first packet of the at least one transport packet carries only the navigation information including program clock reference (PCR) information and does not carry presentation data.

32. (New) The recording medium of claim 31, wherein the PCR information includes a PCR base information and a PCR extension information.

33. (New) The recording medium of claim 31, wherein the transport stream is an MPEG-2 transport stream.

34. (New) The recording medium of claim 31, wherein the recording medium is a rewritable optical disk.

35. (New) A recording medium comprising:

a recording layer; and

a transport stream recorded on the recording layer, the transport stream being composed of at least one stream part, each stream part including a navigation packet at a head of the stream part and at least one data packet, the navigation packet carrying navigation information used to manage the at least one data packet, the navigation information including program clock reference (PCR) information.

36. (New) The recording medium of claim 35, wherein the navigation packet carries only the navigation information.

37. (New) The recording medium of claim 35, wherein the PCR information includes a PCR base information and a PCR extension information.

38. (New) The recording medium of claim 35, wherein the transport stream is an MPEG-2 transport stream.

39. (New) The recording medium of claim 35, wherein the recording medium is a rewritable optical disk.